

### **AMENDMENTS TO THE SPECIFICATION**

Paragraph [0044] is replaced by the following replacement paragraph, wherein an obvious error is corrected in the second line of the paragraph.

#### **Replacement Paragraph**

**[0044]** It is further understood that the pilot signal is an approximate to the ground force signal because of the feedback control. When measurements ~~and of~~ vibrator motions are missing, the reference can be used in place of the ground force signal for the design of the vibrator signature. This will allow the same deconvolution to be performed, although harmonics will not be removed by the process and must be handled separately. The reference will have zero values at the low and high frequencies. Therefore, special care needs to be taken with the design of the impulse response, according to the present invention.